

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-34 (Cancelled)

35. (Currently amended) The method of claim 50 34, further comprising:

monitoring execution of the transaction application workload on the subset of server nodes assigned to execute the transaction application workload to determine whether the performance requirements for execution of the transaction application workload specified in the service level agreement will continue to be met; and

responsive to a determination that the performance requirements for execution of the transaction application workload specified in the service level agreement will not continue to be met, dynamically reassigning one or more of the server nodes in the one server cluster at the one domain assigned to execute the parallel application workload to the execution of the transaction application workload in order to continue to meet the performance requirements for execution of the transaction application workload specified in the service level agreement.

36. (Currently amended) The method of claim 50 34, wherein responsive to a determination that the performance requirements for execution of the transaction application workload specified in the service level agreement are not being met, the method further comprises:

assigning one or more of the server nodes in the server cluster at the one domain that are

uninitialized to the execution of the transaction application workload in order to meet the performance requirements for execution of the transaction application workload specified in the service level agreement, an uninitialized server node being a server node that has the transaction application and its prerequisites installed, but has not been initialized.

37. (Currently amended) The method of claim 50 34, wherein responsive to a determination that the performance requirements for execution of the transaction application workload specified in the service level agreement are not being met, the method further comprises:

assigning one or more of the server nodes in the server cluster at the one domain that are uninstalled to the execution of the transaction application workload in order to meet the performance requirements for execution of the transaction application workload specified in the service level agreement, an uninstalled server node being a server node that does not have the transaction application and its prerequisites installed.

38. (Currently amended) The method of claim 50 34, wherein responsive to a determination that the performance requirements for execution of the transaction application workload specified in the service level agreement are not being met, the method further comprises:

assigning one or more of the server nodes in the server cluster at the one domain that are in a shared pool of nodes to the execution of the transaction application workload in order to meet the performance requirements for execution of the transaction application workload specified in the service level agreement, the shared pool of nodes in the server cluster at the one

domain comprising unassigned server nodes that can be assigned to the execution of either the transaction application workload or the parallel application workload.

39. (Currently amended) The method of claim 50 34, wherein the transaction application workload comprises stock trades.

40. (Currently amended) The method of claim 50 34, wherein the parallel application workload involves optimization of a stock portfolio.

41. (Currently amended) The method of claim 50 34, wherein the service level agreement negotiated with the client for the transaction application workload is also applicable to the parallel application workload.

42. (Currently amended) The method of claim 50 34, wherein the performance requirements for execution of the transaction application workload specified in the service level agreement comprises throughput requirements

43. (Currently amended) The method of claim 50 34, wherein the performance requirements for execution of the transaction application workload specified in the service level agreement comprises response time requirements.

44. (Currently amended) The method of claim 50 34, wherein the performance requirements for execution of the transaction application workload specified in the service level agreement comprises availability requirements.

45. (Currently amended) The method of claim 50 34, wherein the performance requirements for execution of the transaction application workload specified in the service level agreement comprises downtime requirements.

46. (Currently amended) The method of claim 50 34, wherein the service level agreement negotiated with the client for the transaction application workload further specifies penalty functions when the service level agreement is violated.

47. (Currently amended) The method of claim 50 34, wherein monitoring execution of the transaction application workload on the subset of server nodes assigned to execute the transaction application workload comprise:

monitoring one or more of a transaction rate, a transaction response time, availability of a server node and utilization of a server node.

48. (Currently amended) The method of claim 50 34, wherein reassignment of the one or more server nodes assigned to execute the parallel application workload to the execution of the transaction application workload is based on prioritization of the service level agreement negotiated for the transaction application workload.

49. (Previously presented) The method of claim 48, wherein prioritization of the service level agreement negotiated for the transaction application workload is based on a penalty associated with violating the service level agreement.

50. (New) A method for supporting a transaction application and a parallel application in a clustered system utilizing a service level agreement, the clustered system having clustered system resources, the method comprising:

allocating the clustered system resources to the transaction application and to the parallel application; and

reallocating to the transaction application a portion of the clustered system resources

allocated to the parallel application in response to identifying a violation of the service level agreement associated with a high load level on the clustered system resources allocated to the transaction application.